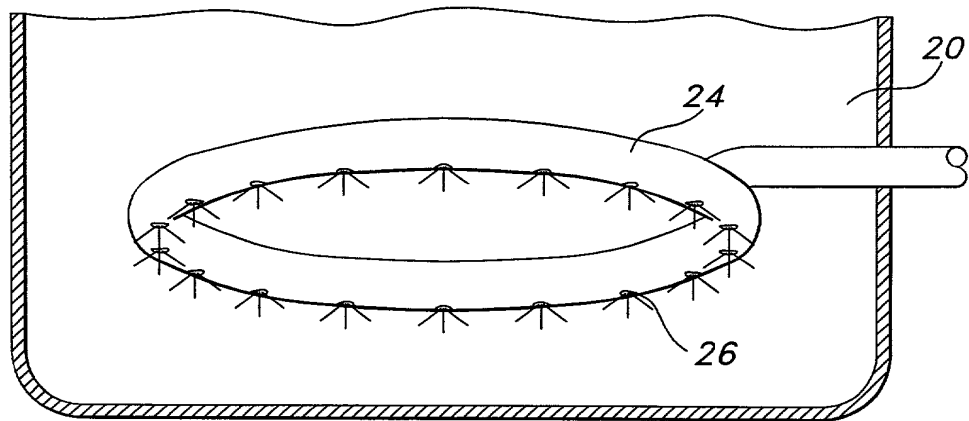
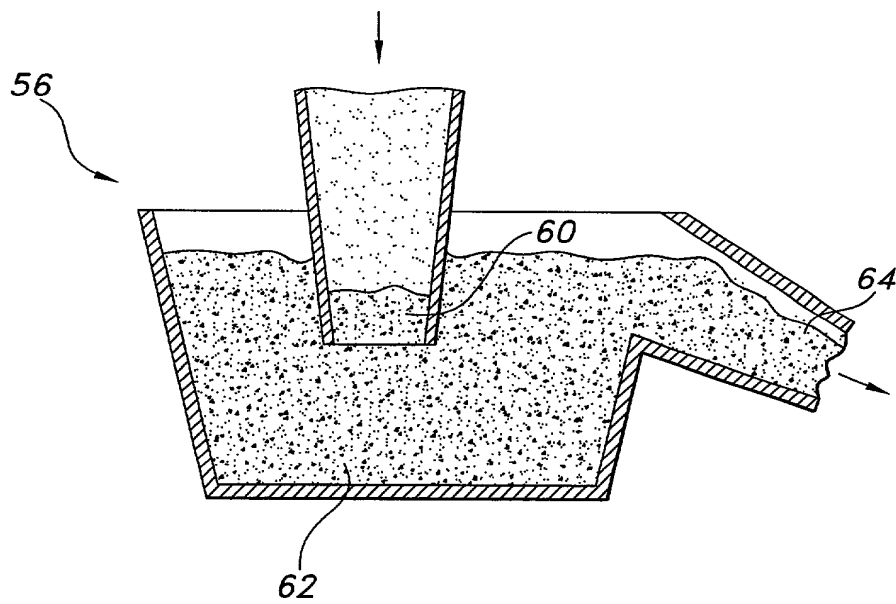


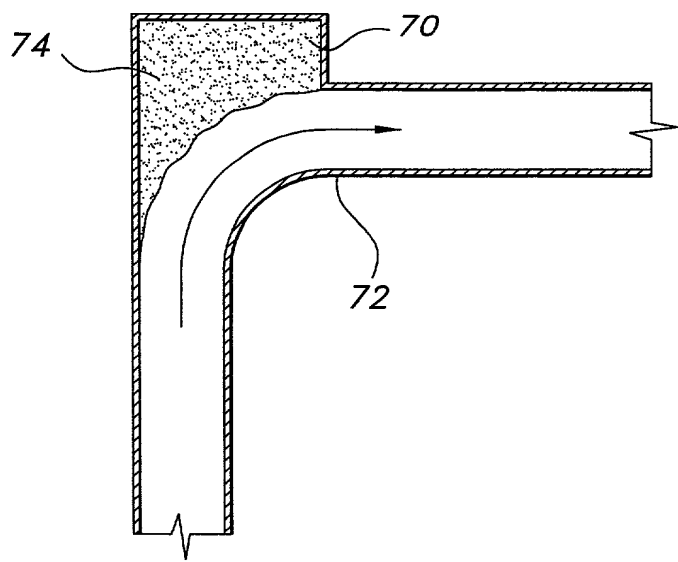
**FIG 1**



**FIG 2**



**FIG 3**



**FIG 4**

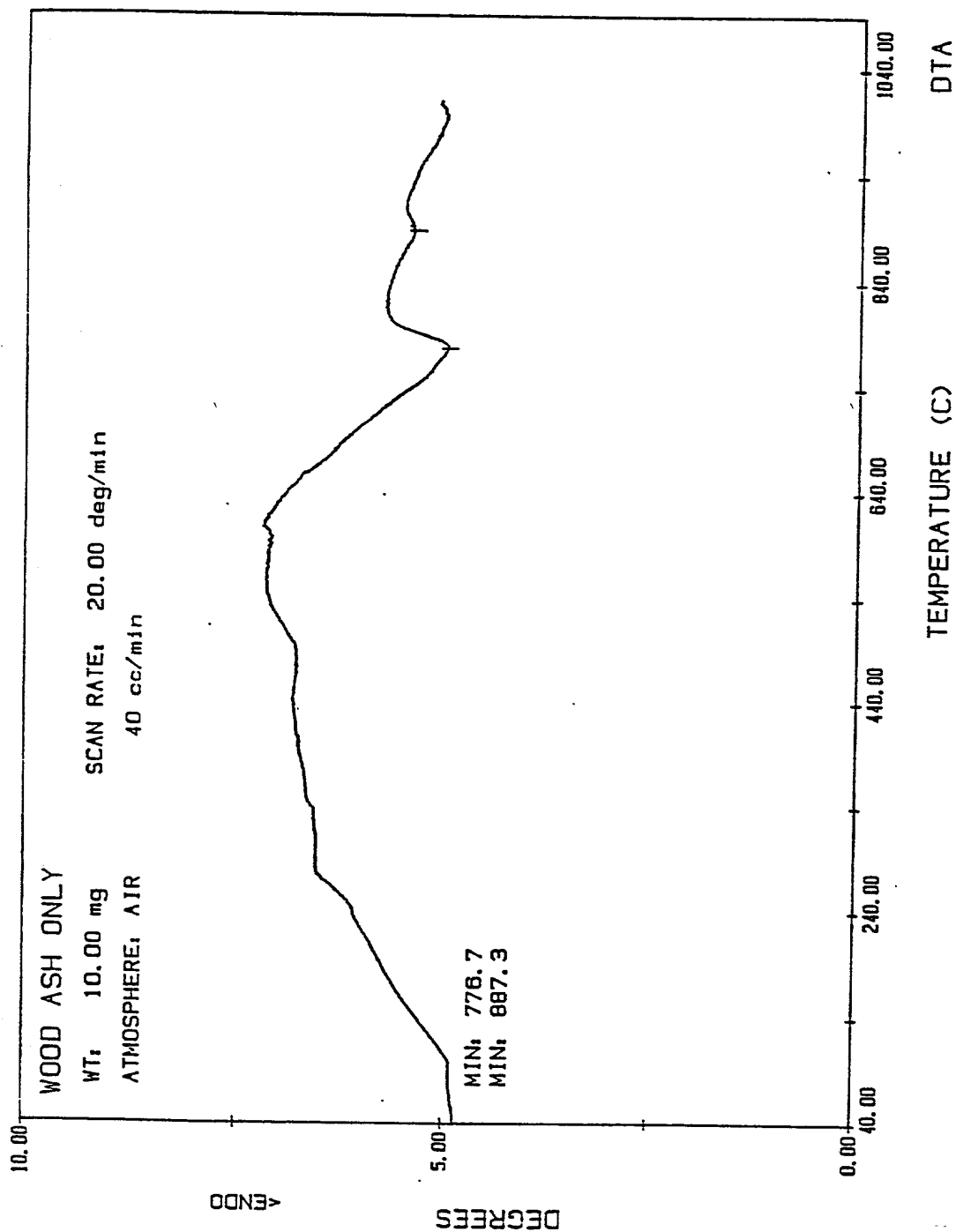


FIG. 5

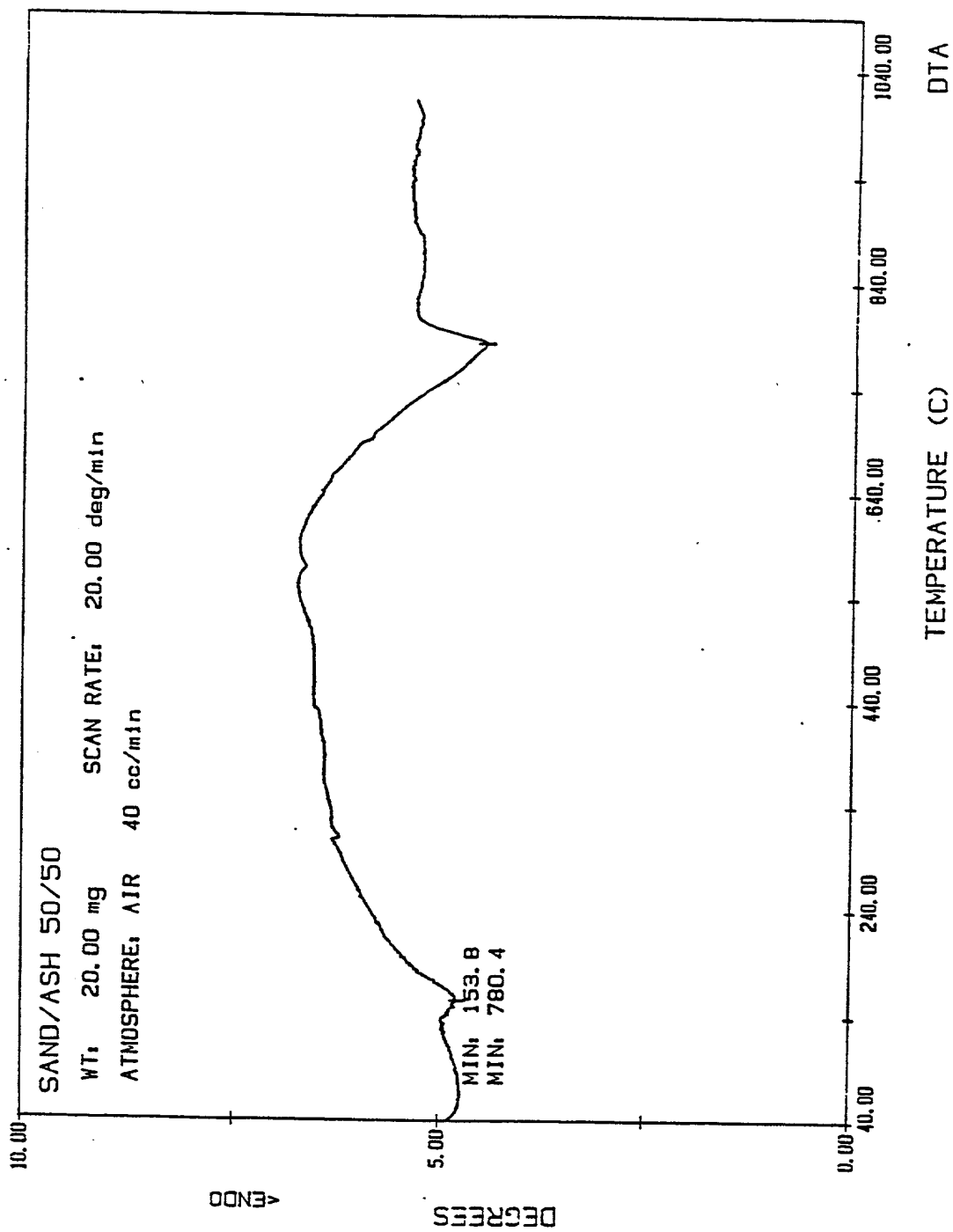


FIG. 6

DTA  
PINE ASH  
WT: 12.00 mg  
SCAN RATE: 20.00 deg/min  
ATMOSPHERE: AIR  
40 cc/min

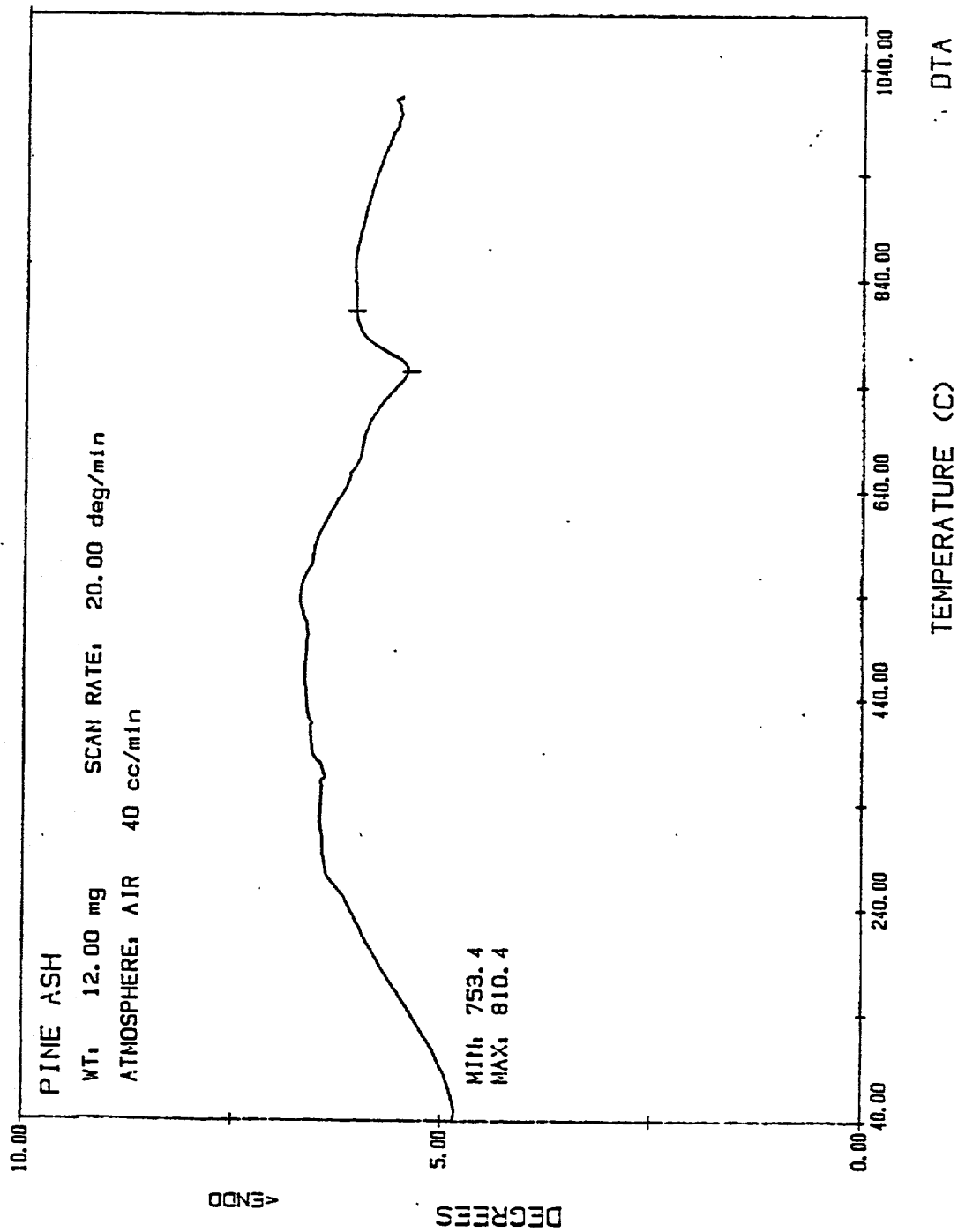


FIG. 7

SAND ASH KAOLIN 50%

WT: 18.00 mg SCAN RATE: 20.00 deg/min

ATMOSPHERE: AIR 40 cc/min

DEGREES

MIN: 509.6

MIN: 759.9

TEMPERATURE (C)

DTA

**FIG. 8**

SAND/ASH/MGO 50%  
WT: 19.00 mg SCAN RATE: 20.00 deg/min  
ATMOSPHERE: AIR 40 cc/min

DEGREES

ENDO

MIN: 365.3  
MIN: 757  
MIN: 821.1

TEMPERATURE (C)

10.00  
5.00  
0.00

40.00 240.00 440.00 640.00 840.00 1040.00

**FIG. 9**



$K_2O-MgO-SiO_2$

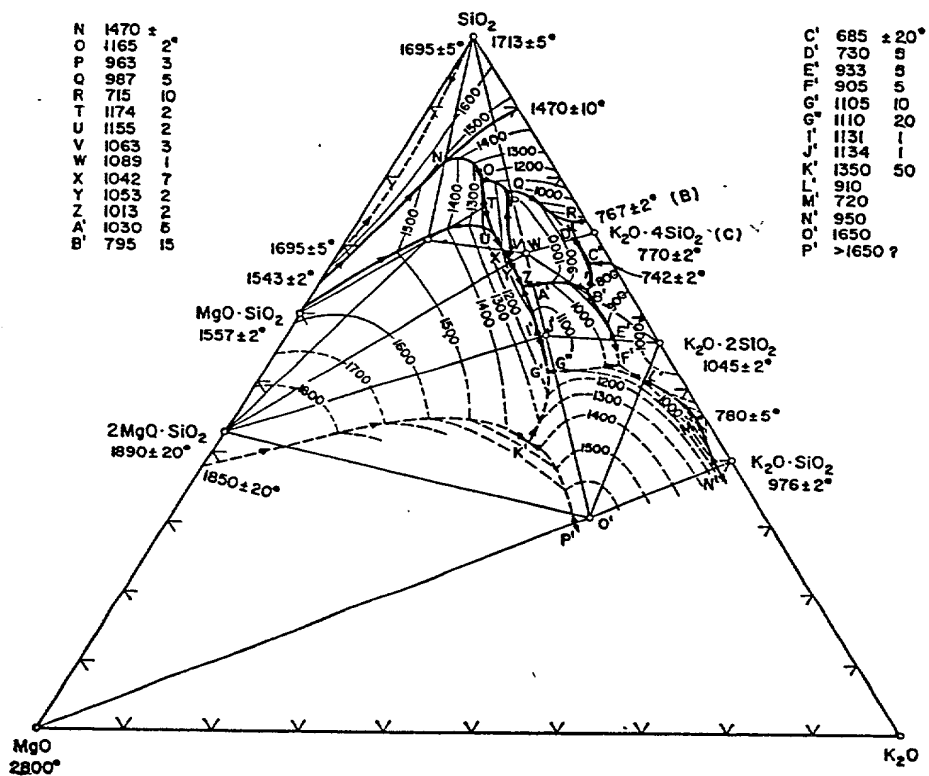
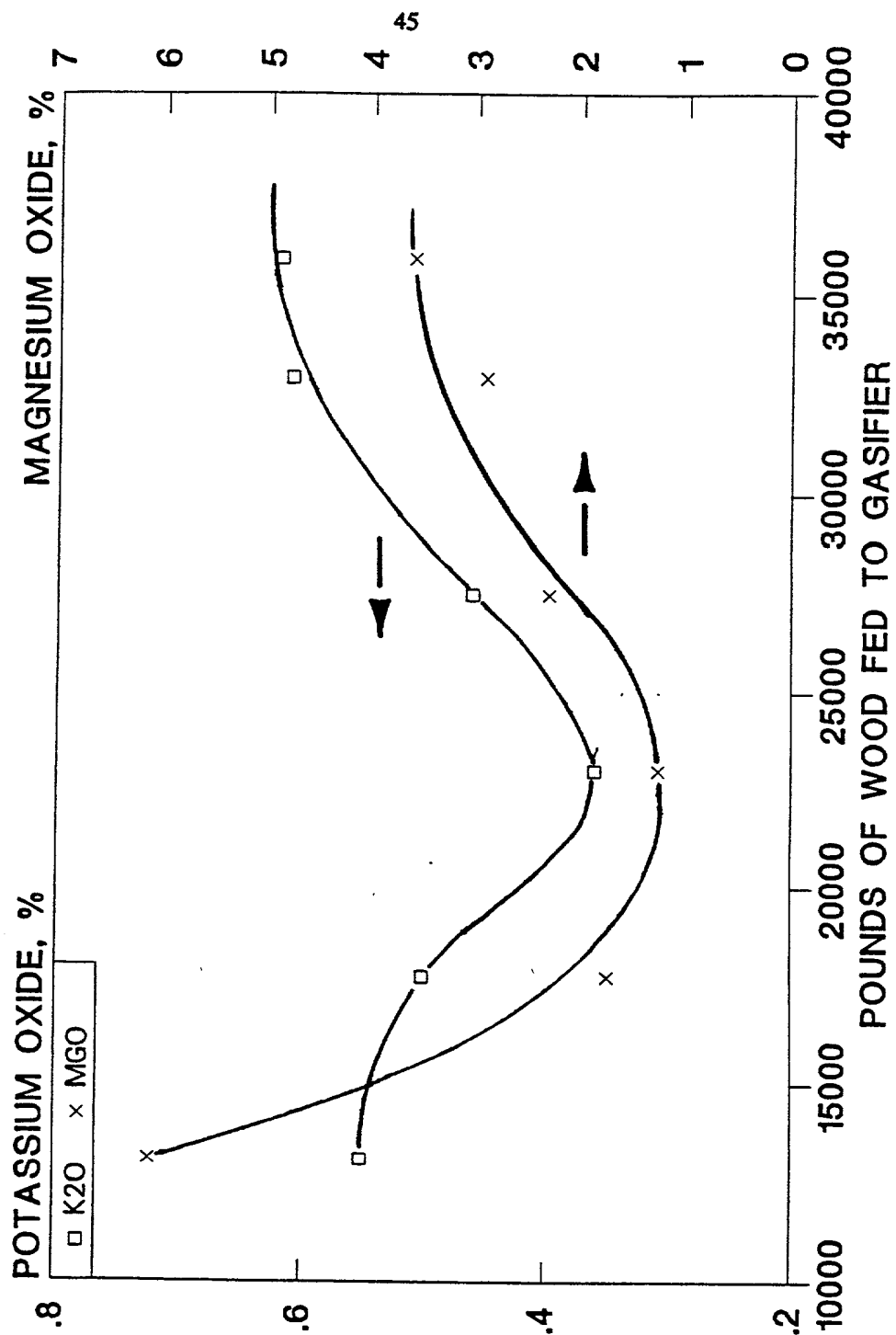


FIG. 10



**FIG. 11**

